

**ENGINEERING CHANGE NOTICE**  
**DART AEROSPACE LTD**

Date: 17.08.11	Job No.: PI17-646-07	ADR Yes/No: N	ADR Date:	ECN #: 17- 608 -
Product No.: D119-646		Created By: ML	Approved By: CH	
Product Name: SKIDTUBE		Checked By: JH		

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
Director of Operations	Y	JLM	
Production Planning Man. / Prod. Planner	Y	LL / MP	
Supply Chain Director / Purchasing	N	RA / CL	
Production Engineering Coord.	Y	DD	
Production Engineering Coord.	N	DL	
Customer Order Processing	N	SL	

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
DQA / QA Coord.	Y	PS / ED	
QC Coordinator	Y	PD	
Customer Support	Y	SW / LM	
Customer Technical Support	Y	MB / ML	
Marketing	Y	WR	
Prod. Man. Solution Provider	Y	HM	

**Reason for Change:**

DSI 9734 REV. C MAKES D119-646-313/-314 COMPATIBLE WITH DART SKIDTUBES

**Documents Affected:**

RELEASE DSI 9734 REV. C

*No slr*

IF APPLICABLE: NCR: \_\_\_\_\_ PAR: \_\_\_\_\_ CAR: \_\_\_\_\_ CIR: 17-101 URF: 17-608

WAPERWORK UPDATE

PARTS MUST COMPLY

PREVIOUS PARTS SATISFACTORY

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3	Notify Augusta Westland	Y	ML		
4	Manufacturing Licensing Agreement Update	N			

#	Engineering Actions	Reqd	Resp	Notes	Complete
5	Required Documents/Drawings/Item ID's Under Review (URF)	N			
6	Update Master Document List (MDL)	N		TO BE RELEASED AT A LATER DATE	
7	Update Document Record (DR)	N			
8	Update Product Compatability Matrix	N			
9	Notify TC / FAA of Change (eg. ICA, 8110-3)	N			
10					

#	Document Control Actions	Reqd	Resp	Notes	Complete
11	Move / Update Electronic Files / Design Journal	Y	KJ		17-08-02
12	Update Product Specification Files (Bluefiles)	Y	KJ		17-08-02
13	Update Approved/Preliminary Dwg PDF Files	Y	KJ		17-08-02
14	Update Product Development Summary (STC applications)	N			
15	Update QSI 021 (TC/FAA STC) and/or STC Approval List	N			
16	Create/Update Parts / STC Database	N			
17	Update / Verify Airworthiness Release Certificate Database	N			
18	Create / Update Change Record Form / Item Card Database	Y	KJ		17-08-28
19	Create / Update Packaging Process Plan (PPP)	Y	KJ		17-08-28
20	Red Decals required on Packaging Process Plan (PPP)?	Y	KJ		17-08-28
21	Update Controlled Supplier Documents (Qpulse) Database	N			
22	Update Grey Project Binder / Electronic Project Folder	Y	KJ		17-08-02
23	Update D-Part / M-Drawing / DSI / DEO Master Binders	Y	KJ	DSI 9734	17-08-02
24	Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)	N			
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**Description / Action:**

- A NOTE WILL BE ADDED TO THE SYSTEM TO HAVE SALES CONFIRM WITH EACH CUSTOMER IF ORDERING FLOAT SKIDTUBES IF THEY WOULD LIKE THE HOLES TO BE DRILLED FOR CABLE GUARD PROVISIONS PER DSI 9734.
- NO CHANGE NUMBERS ARE AFFECTED
- KIM PLEASE REVERT CHANGE NUMBERS BACK TO THE NUMBERS PRIOR TO ECN 17-608 RELEASE.
- CIR17-101 CAN BE CLOSED.
- URF CAN BE REMOVED ONCE ALL REWORK IS COMPLETE.
- THIS ECN IS A REVISION TO THE PREVIOUSLY CIRCULATED ECN17-608 (17/08/02) AND (17/08/10).
- CONTACT MIKE LEE WITH ANY QUESTIONS.

*reworks-wr  
17-08-30*

ECN Verified & Complete: \_\_\_\_\_ Date: \_\_\_\_\_

**ENGINEERING CHANGE NOTICE**  
**DART AEROSPACE LTD**

Date: 17.08.10	Job No.: PI17-646-07	ADR Yes/No: N	ADR Date: 01/09/10	ECN #: 17- 608-2
Product No.: D119-646		Created By: ML	Approved By: 01/09/10	
Product Name: AW 139 SKYLIGHT SKID TUBE		Checked By: 01/09/10		

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
Director of Operations	Y	JLM	17/08/10
Production Planning Man. / Prod. Planner	Y	LL / MP	17/08/10
Supply Chain Director / Purchasing	N	RA / CL	
Production Engineering Coord.	Y	DD	01/08/10
Production Engineering Coord.	N	DL	
Customer Order Processing	N	SL	

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
DQA / QA Coord.	Y	PS / ED	17-08-10
QC Coordinator	Y	PD	
Customer Support	Y	SW / LM	17-08-10
Customer Technical Support	Y	MB / ML	
Marketing	Y	WR	
Prod. Man. Solution Provider	Y	HM	17-08-10

Reason for Change: INCORPORATE DSI 9734 REV. C TO MAKE D119-646-313/-314 COMPATIBLE WITH DART SKIDTUBES

Documents Affected:

RELEASE DSI 9734 REV. C

IF APPLICABLE: NCR: \_\_\_\_\_ PAR: \_\_\_\_\_ CAR: \_\_\_\_\_ CIR: 17-101 URF: 17-608

PAPERWORK UPDATE

PARTS MUST COMPLY

PREVIOUS PARTS SATISFACTORY

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3	Notify Augusta Westland	Y	ML		
4	Manufacturing Licensing Agreement Update	N			

#	Engineering Actions	Reqd	Resp	Notes	Complete
5	Required Documents/Drawings/Item ID's Under Review (URF)	N			
6	Update Master Document List (MDL)	N		TO BE RELEASED AT A LATER DATE	
7	Update Document Record (DR)	N			
8	Update Product Compatability Matrix	N			
9	Notify TC / FAA of Change (eg. ICA, 8110-3)	N			
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#	Document Control Actions	Reqd	Resp	Notes	Complete
11	Move / Update Electronic Files / Design Journal	Y	KJ		17-08-02
12	Update Product Specification Files (Bluefiles)	Y	KJ		17-08-02
13	Update Approved/Preliminary Dwg PDF Files	Y	KJ		17-08-02
14	Update Product Development Summary (STC applications)	N			
15	Update QSI 021 (TC/FAA STC) and/or STC Approval List	N			
16	Create/Update Parts / STC Database	N			
17	Update / Verify Airworthiness Release Certificate Database	N			
18	Create / Update Change Record Form / Item Card Database	Y	KJ	D119-646-313/-314 @ CHG 003	17-08-10
19	Create / Update Packaging Process Plan (PPP)	Y	KJ		17-08-10
20	Red Decals required on Packaging Process Plan (PPP)?	Y	KJ		17-08-10
21	Update Controlled Supplier/Documents (Qpulse) Database	N			
22	Update Grey Project Binder / Electronic Project Folder	Y	KJ		17-08-02
23	Update D-Part / M-Drawing / DSI / DEO Master Binders	Y	KJ	DSI 9734	17-08-02
24	Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)	N			
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Description / Action:

ALL D119-646-013/-014/-043/-113/-114/-143/-213/-214/-243 SKIDTUBES MUST BE REWORKED PER DSI 9734 REV. C

INCREASE D119-646-013/-014/-043/-113/-114/-143/-243 TO CHG 006 AND D119-646-213/-214 TO CHG 007

CIR17-101 CAN BE CLOSED

URF CAN BE REMOVED ONCE ALL REWORK IS COMPLETE

THIS ECN IS A REVISION TO THE PREVIOUSLY CIRCULATED ECN17-608 (17/08/02)

CONTACT MIKE LEE WITH ANY QUESTIONS

ECN Verified & Complete: \_\_\_\_\_

Date: \_\_\_\_\_

**ENGINEERING CHANGE NOTICE**  
**DART AEROSPACE LTD**

MPP

Date: 17.07.31	Job No.: PI17-646-07	ADR Yes/No: N	ADR Date:	ECN #:	17- 608
Product No.: D119-646		Created By: VS	Approved By: <i>DL</i>		
Product Name: Skidtube		Checked By: <i>dy</i>			

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
Director of Operations	Y	JLM	
Production Planning Man. / Production Planner	Y	MP	
Supply Chain Director / Purchasing Manager	N	RA / <i>DL</i>	
Production Engineering Coord.	Y	DD	
Production Engineering Coord.	N	DL	
Customer Order Processing	N	SL	

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
DQA / QA Coord.	Y	PS / ED	
QC Coordinator	Y	PD	
Customer Support	Y	SW / LM	
Customer Technical Support	Y	MB / ML	
Marketing	Y	WR	
Prod. Man. Solution Provider	Y	HM	

**Reason for Change:**

Compatibility of D119-646-313/-314 with Dart Float Skidtubes

**Documents Affected:**

DSI 9734 Rev. C

IF APPLICABLE: NCR: \_\_\_\_\_ PAR: \_\_\_\_\_ CAR: \_\_\_\_\_ CIR: 17-101 URF: \_\_\_\_\_

PAPERWORK UPDATE

PARTS MUST COMPLY

PREVIOUS PARTS SATISFACTORY

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3	Notify Augusta Westland (Leonardo)	Y	MB	Notify AWPC	
4	Manufacturing Licensing Agreement Update	N			

#	Engineering Actions	Reqd	Resp	Notes	Complete
5	Required Documents/Drawings/Item ID's Under Review (URF)	N			
6	Update Master Document List (MDL)	N		To be released at later date	
7	Update Document Record (DR)	N			
8	Update Product Compatiability Matrix	N			
9	Notify TC / FAA of Change (eg. ICA, 8110-3)	N			
10					

#	Document Control Actions	Reqd	Resp	Notes	Complete
11	Move / Update Electronic Files / Design Journal	Y	KJ		17.08.02 <i>DL</i>
12	Update Product Specification Files (Bluefiles)	Y	KJ		17.08.02 <i>DL</i>
13	Update Approved/Preliminary Dwg PDF Files	Y	KJ		17.08.02 <i>DL</i>
14	Update Product Development Summary (STC applications)	N			
15	Update QSI 021 (TC/FAA STC) and/or STC Approval List	N			
16	Create/Update Parts / STC Database	N			
17	Update / Verify Airworthiness Release Certificate Database	N			
18	Create / Update Change Record Form / Item Card Database	N			
19	Create / Update Packaging Process Plan (PPP)	N			
20	Red Decals required on Packaging Process Plan (PPP)?	N			
21	Update Controlled Supplier Documents (Qpulse) Database	N			
22	Update Grey Project Binder / Electronic Project Folder	Y	KJ		17.08.02 <i>DL</i>
23	Update D-Part / M-Drawing / DSI / DEO Master Binders	Y	KJ		17.08.02 <i>DL</i>
24	Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)	N			
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**Description / Action:**

-Update BOMs and routes

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B164951  
DONE

ECN Verified & Complete: \_\_\_\_\_

Date: \_\_\_\_\_